

## Information sheet for the course Environmental Engineering

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|--|-----|-----|--|-----|-----|
| <b>University:</b> <i>Alexander Dubček University of Trenčín</i>   |     |     |  |     |     |
| <b>Faculty:</b> <i>Faculty of Industrial Technologies in Púchov</i>  |     |     |  |     |     |
| <b>Course unit code:</b> <i>PP-PV-13</i>   |     |     | <b>Course unit title:</b> <i>Environmental Engineering</i> |     |     |
| <b>Type of course unit:</b> <i>optional</i>  |     |     |  |     |     |
| <b>Planned types, learning activities and teaching methods:</b><br><i>Lecture: 2 hours weekly/26 hours per semester of study; face to face</i><br><i>Seminar: 1 hour weekly/13 hours per semester of study; face to face</i><br><i>Laboratory tutorial: 0</i>  |     |     |  |     |     |
| <b>Number of credits:</b> <i>2</i>   |     |     |  |     |     |
| <b>Recommended semester:</b> <i>5<sup>th</sup> semester in the 3<sup>rd</sup> year full-time</i><br><i>7<sup>th</sup> semester in the 4<sup>th</sup> year part-time</i>  |     |     |  |     |     |
| <b>Degree of study:</b> <i>the 1<sup>st</sup> degree of study (Bachelor's degree)</i>  |     |     |  |     |     |
| <b>Course prerequisites:</b> <i>none</i>   |     |     |  |     |     |
| <b>Assessment methods:</b><br><i>Test</i>  |     |     |  |     |     |
| <b>Learning outcomes of the course unit:</b><br><i>Student is acquainted with the solution of environmental problems from the Industrial Revolution to the present, with solutions and ways for recovery of environment.</i>   |     |     |  |     |     |
| <b>Course contents:</b><br><i>In this course the attention will be focused on the industrial technologies, which will be oriented to the cleaner production, pollution prevention and environmental quality of products and materials. The structure of Lecturers is oriented to the theoretical principles and practical examples of new low-waste and non-waste unit operations, as well as complex industrial technologies in selected sectors of the national economy.</i> |     |     |  |     |     |
| <b>Recommended of required reading:</b><br>1. <i>Blažej, A. a kol.: Chemické aspekty životného prostredia. Bratislava/Praha, ALFA/SNTL, 1981.</i><br>2. <i>Hostin, S. -- Šilhár, S. -- Soldán, M. -- Lacuška, M.: Environmentálne inžinierstvo I. Bratislava, STU, 2004. ISBN 80--227--2013--5</i>   |     |     |  |     |     |
| <b>Language:</b> <i>Slovak</i>   |     |     |  |     |     |
| <b>Remarks:</b>  |     |     |  |     |     |
| <b>Evaluation history:</b><br>Number of evaluated students: <i>0</i>   |     |     |  |     |     |
| A  | B   | C   | D  | E   | FX  |
| 0.0  | 0.0 | 0.0 | 0.0  | 0.0 | 0.0 |
| <b>Lecturers:</b> <i>prof. Ing. Darina Ondrušová, PhD.</i>   |     |     |  |     |     |
| <b>Last modification:</b> <i>31.03.2015</i>  |     |     |  |     |     |
| <b>Supervisor:</b> <i>doc. Ing. Ján Vavro, PhD.</i>  |     |     |  |     |     |